

FILJOINT

Functionality

Impregnated wire for sealing the threaded fittings.

- Sealing of metal and plastic, conical and cylindrical threaded fittings.
- Can be used on water pipes intended for human consumption, hot and cold sanitary water, swimming pool water.
- Sealing of combustible gases (butane, propane, mains gas (natural gas) and compressed air. In this case, the fittings must be ISO 7 type « gas fittings » (with a conical male part), with thread sealing.

Labels and Accreditation



Certified by Certigaz NF-RAC GAZ for use in combustible gas installations in individual or collective residential buildings, including common areas (decree of 23 February 2018).

Complies with the NF EN 751-2 standard Class ARp – Tightness materials for threaded fittings in contact with 1st, 2nd and 3rd family gases and hot water – Part 2 : non-hardening sealing composition).

Drinking water compatibility : WRAS approval according to Standard BS 6920 for contact with drinking water.

Technical characteristics

Characteristics	Specifications
Nature	Polyamide synthetic fiber thread impregnated with an inert paste
Lenght	100m
Repositioning	1/8 turn The NF EN 751-2 ARp class means that the product responds to the waterproofing tests after return of 45 degrees or 1/8 lap. Internal tests have shown that repositioning can be up to 1/4 turn
Pressurisation	Immediate
Maximum diameter	4" (Ø 100mm)
Type of fittings	Metal (steel, galvanized steel, stainless steel, melting, brass, bronze, ...) and most plastic (PVC, PP, PE)

Nature of fluids	Drinking water Hot and cold sanitary water Heating water Swimming pool water* Gas (city gas / natural gas, propane, butane, compressed air and water vapour) Do not use hydrocarbons, oils, fuel, chlorine, glycoled water, strong organic acids and oxygen. * with a continuous chlorine level of < 5 mg/L. Tests have shown that higher chlorine levels deteriorate the product's characteristics over time.		
Pressure and temperature resistance	Vehicular fluid	Maximum temperature	Maximum Pressure
	Cold water	-	16 bars
	Hot water	150°C	7 bars
	Heating water	150°C	7 bars
	Compressed air and steam	70°C	5 bars
	Gas (butane, propane, mains gas (natural gas)	-	5 bars
Resistance	To the water hammer and vibrations		

Use

Preparation

- It is advisable to stub the threads with a saw blade or file to help the product bond to the thread.
- The fittings must be clean, dry and free of grease.

Instructions for use

- Wrap the fibre at the end of the fitting, following the direction of the thread and by applying a slight tension. It is not necessary to follow the hollow of the threads.
- Make the recommended number of turns and cut the wire.
- Engage the fitting and screw.
- Tighten the fitting with a spanner (R1/4: 15 Nm ; R1/2: 25 Nm ; R1"1/2: 80 Nm). A maximum repositioning of 1/8 turn is possible.
- Immediate pressurisation.

Consumption

Diameter	Metal		Plastic	
	Number of rounds	Number of fittings	Number of rounds	Number of fittings
1/2"	6 à 8	250	12 à 15	125
3/4"	7 à 9	170	15 à 25	68
1"	8 à 12	120	20 à 30	48
1" 1/2	10 à 15	65	25 à 35	32
2"	15 à 25	35	-	-
2" 1/2	20 à 30	20	-	-
3"	25 à 35	15	-	-
3" 1/2	30 à 40	10	-	-
4"	35 à 45	8	-	-

ISO 7/1 gas thread

On cylindrical fittings, increase the number of turns by 30%.

Safety precautions

The Material Safety Data Sheet is available on the Internet on www.quickfds.com or on www.geb.fr .

If the product is subject to detergent regulation : Component list available on request at reach@geb.fr

If the product is subject to biocide regulation or if it contains a biocide to protect it : Consult the Material Safety Data Sheet - Please use the products responsibly.

Storage

Store at a temperature between +8°C and +21°C.

The expiry date on packaging is for unopened product stored at 20°C in normal hygrometry conditions.

Packaging and waste sorting

Refer to the information on the product and to the applicable local regulations.

The information contained on the technical datasheet is provided in all good faith and results from measurements made in our laboratory. Given the number of materials, differences in quality and diversity of working methods, we recommend that users perform tests prior to application under actual conditions of use.

This document may be amended in keeping with product development and the state of our knowledge without prior notice and therefore it is recommended to check on <http://www.geb.fr> that you have the latest version before use.